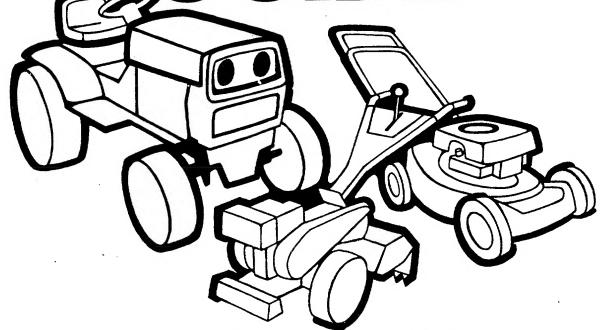
CANER'S GUIDE



28" TILLER ATTACHMENT

Model Numbers 190-746-000 19746 TMO-33603B

IMPORTANT: Read Safety Rules and Instructions Carefully

IMPORTANT

RULES FOR SAFE OPERATION



THIS SYMBOL POINTS OUT IMPORTANT SAFETY INSTRUCTIONS WHICH, IF NOT FOLLOWED, COULD ENDANGER THE PERSONAL SAFETY AND/OR PROPERTY OF YOURSELF AND OTHERS. READ AND FOLLOW ALL INSTRUCTIONS IN THIS MANUAL BEFORE ATTE UPTING TO OPERATE YOUR UNIT. FAILURE TO COMPLY WITH THESE INSTRUCTIONS MAY RESULT IN PERSONAL INJURY. WHEN YOU SEE THIS SYMBOL— HEED ITS WARNING.





Your unit was built to be operated according to the rules for safe operation in this manual. As with any type of power equipment, carelessness or error on the part of the operator can result in serious injury. If you violate any of these rules, you may cause serious injury to yourself or others

- READ THE OWNER'S MANUAL carefully in its entirely before attempting to assemble or operate this unit. I cep this manual in a safe place for future and regular reference and for ordering replacement parts.
- 2. This unit is a precision piece of power equipment not a plaything. Therefore exercise extreme caution at all times
- 3. Know the controls and how to stop the machine quickly.
- 4. Do not allow children to operate vehicle. Do not allow adults to operate it without proper instruction. Only persons well acquainted with these rules of safe operation should be allowed to use your tiller attachment.
- Wear sturdy, rough-soled work shoes and close-fitting slacks and shirts to avoid entanglement in the moving parts. Never operate a unit in bare feet, sandals, or sneakers.
- To prevent injury, do not carry passengers or give rides. Keep children, pets and bystanders out of the area while tilling. Only the operator should ride on the unit and only ride in the seat.
- 7. Check overhead clearance carefully before driving under power lines, guy wires, bridges or low hanging tree branches, before entering or leaving buildings, or in any other situation where the operator may be struck or pulled from the unit, which could result in serious injury.
- To maintain control of the unit and reduce the possibility of upset or collision, operate the tractor smoothly.
 Avoid erratic operation and excessive speed.
- 9. Keep the area of operation clear of all persons, particularly small children and pets. Stop engine when they are in the vicinity of your unit. Although the are of operation should be completely cleared of foreign objects, a small object may have been overlooked and could be accidently thrown by the tiller in any direction and cause injury to you or a bystander.
- Stop the blade(s) when crossing gravel drives, waks or roads.
- Disengage all attachment clutches and shift into n autral before attempting to start engine.
- 12. Disengage power to attachment(s) and stop engine before leaving operating position.
- 13. Do not put hands or feet near or under rotating parts. Keep clear of the tiller at all times as the rotating times can cause injury.
- 14. Disengage power to attachment(s) and stop engine before making any repairs or adjustments. Disconnect the spark plug wire and keep the wire from the plug to prevent accidental starting.

- 15. Before attempting to remove rocks, bricks and other objects from tines, stop the engine and be sure the tines have stopped completely. The tines may continue to rotate for a few seconds after the engine is shut off. Therefore, be sure the tines have stopped completely. Disconnect the spark plug wire and keep the wire away from the plug to prevent accidental starting.
- Disengage power to attachment(s) when transportating or not in use.
- 17. Take all possible precautions when leaving vehicle unattended such as disengaging power take-off, lowering attachments, shifting into neutral, setting parking brake, stopping engine and removing key.
- 18. Do not stop or start suddenly when going uphill or downhill till up and down face of steep slopes; never across the face. Use extreme caution if it is necessary to drive the tractor up an incline or back the tractor down an incline because the front of the tractor could lift and rapidly flip over backward which could cause serious injury.
- Reduce speed on slopes and in sharp turns to prevent tipping or loss of control. Always keep the tractor in gear when going down steep hills to take advantage of engine braking action.
- 20. Stay alert for holes in terrain and other hidden hazards which may cause the unit to tip over.
- 21. Use care when pulling loads or using heavy equipment.
 - A. Use only approved drawbar hitch points.
 - B. Limit loads to those you can safely control.
 - C. Do not turn sharply. Use care when backing.
 - Use counterweight(s) or wheel weights when suggested in owner's manual.
- 22. Watch out for traffic when crossing or near roadways.
- When using any attachments, never direct discharge of material toward bystanders nor allow anyone near vehicle while in operation.
- 24. Handle gasoline with care. It is highly flammable.
 - A. Use approved gasoline container.
 - B. Never remove cap or add gasoline to a running or hot engine or fill fuel tank indoors. Wipe up spilled gasoline.
 - C. Open doors if engine is run in garage. Exhause fumes are dangerous. Do not run engine indoors.

Rules for Safe Operation (continued)

- 25. Keep the vehicle and attachments in good operating condition, and keep safety devices in place. Use guards as instructed in operator's manual.
- Keep all nuts, bolts, and screws tight to be sure the equipment is in safe working condition.
- 27. Never store the machine with fuel in the fuel tank inside a building where ignition sources are present, such as hot water and space heaters, clothes dryers, and the like. Allow the engine to cool before storing in any enclosure.
- To reduce fire hazard, keep engine free of grass, leaves or excessive grease.
- 29. The vehicle and attachments should be stopped and inspected for damage after striking a foreign object. The damage should be repaired before restarting and operating the equipment.
- Do not change the engine governor settings or overspeed the engine.

- 31. When using the vehicle with tiller, proceed as follows:
 - (1) Till only in daylight or in good artificial light.
 - (2) Never make any adjustments while engine is running if operator must dismount to do so.
 - (3) Use caution when tilling near buildings and fences. Rotating tines can cause damage or injury.
 - (4) Check the tine mounting bolts at frequent intervals for proper tightness.
- 32. Look behind to make sure the area is clear before placing the transmission in reverse and continue looking behind while backing up. Disengage tiller before shifting into reverse and backing up.
- 33. This unit should not be driven up a ramp onto a trailer or truck under power, because the unit could tip over, causing serious personal injury. The unit must be pushed manually to load properly.

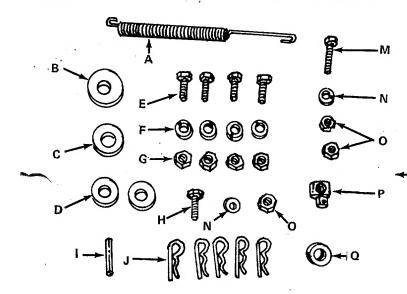
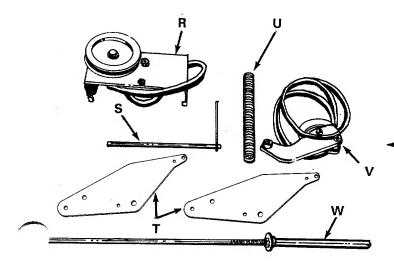


FIGURE 1



ASSEMBLY INSTRUCTIONS



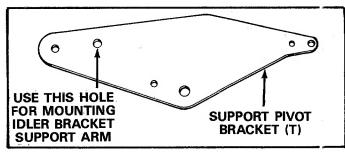
Right and left hand side of the unit is determined from the driver's seat, facing forward.

-Contents of Hardware Pack (See figure 1):

- A (1) Extension Spring
- B (1) | Flat Washer 1/2" I.D. x 1-1/2" O.D.
- C (1) Flat Washer 5/8" I.D. x 1-1/4" O.D.
- D (2) Flat Washers 1/2" I.D. x 1" O.D.
- E (4) Hex Bolts 3/8-24 x 7/8" Long
- F (4) Lock Washers 3/8" I.D.
- G (4) Hex Nuts 3/8-24 Thread
- H (1) Hex Bolt 5/16-24 x 1" Long
- (1) Spiral Pin
- J (5) Hairpin Cotters
- ('(4) Extension Springs (Not Shown)
- M (1) Hex Bolt 5/16-24 x 1-1/2" Long
- N (2) Lock Washers 5/16" I.D.
- O (3) Hex Nuts 5/16-24 Thread
- P (1) Ferrule
- Q (1) 'Spacer 1/2" I.D. x 1" O.D. x 1/2" Long

Loose Parts in Carton (See figure 2):

- R (1) Carriage Bracket Assembly
- S (1) Idler Bracket Support Arm Assembly
- T (2) Support Pivot Brackets
- U (1) Compression Spring
- V (1) Idler Bracket Assembly
- W (1) Lift Rod Assembly



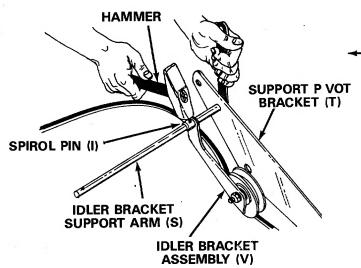
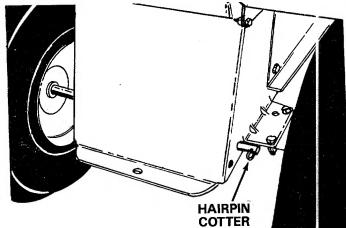
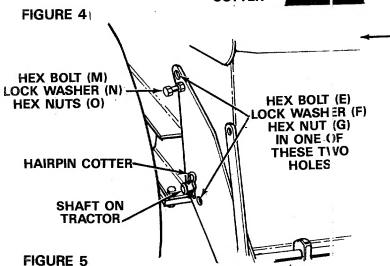
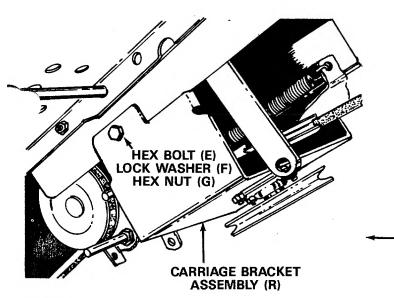


FIGURE 3



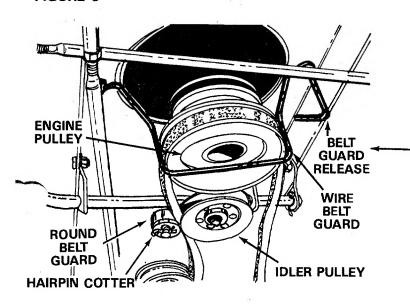


- 1. Remove the cutting deck from your tractor if one is attached.
- Preassemble the idler bracket support arm (S) to one support pivot bracket (T) and idler bracket assembly as follows.
 - A. Place the idler bracket support arm **down** through the hole in support pivot bracket shown in figure 3.
 - B. Next, slide the idler bracket assembly (V) over the idler bracket support arm. Secure with spiral pin (I). See figure 3. Be certain pivot support bracket is assembled as shown before securing with spiral pin.
- 3. Remove the two hairpin cotters from the shaft on the rear of your tractor. See figure 4. These will be reassembled in steps 4 and 8.
- 4. Place the support pivot bracket (with idler bracket and support arm attached) in position on the rear left hand side of tractor. See figure 5. Place large hole in pivot bracket over shaft on tractor. Secure with one hairpin cotter removed in step 3.
- Thread one hex nut (O) all the way onto hex bolt. -(M) (1 1/2" long).
- 6. Align the holes in the support pivot bracket with the holes in the tractor frame. Secure the support pivot bracket to the tractor frame by placing hex bolt (M) (with hex nut attached) through support pivot bracket and hole in frame as shown in figure 5. Secure with lock washer (N) and hex nut (O), finger tight only.
- 7. If there is a 3/8" hole in the tractor frame down by the shaft on the tractor, insert hex bolt (E) through the hole in support pivot bracket and tractor frame. If no hole is there, insert the bolt through the hole in the top forward part of bracket and frame. Secure with lock washer (F) and hex nut (G).
- 8. Assemble the other support pivot bracket to the right hand side of tractor in the same manner, except use hex bolt (H) (1" long) instead of the longer hex bolt and the extra hex nut.
- Tighten securely all four nuts and bolts which were used in assembly of pivot support brackets.



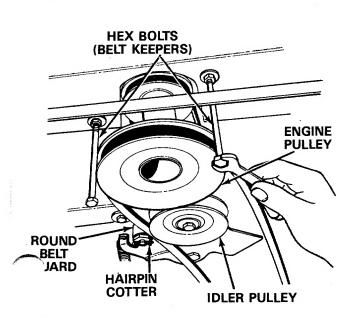
- 10. Secure end of idler bracket support arm assembly on the right side of tractor with one flat washer (D) and hairpin cotter (J).
- 11. Place carriage bracket assembly (R) in position beneath the running board support rod on the tractor. Secure each side of carriage bracket to frame with hex bolts (E), lock washers (F) and hex nuts (G). Tighten securely. See figure 6.

FIGURE 6



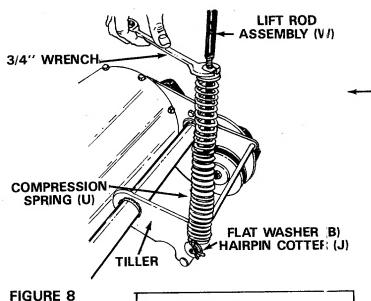
12. Remove the round belt guard from the idler on tractor by removing the hairpin cotter. See figure 7A or 7B.

FIGURE 7A

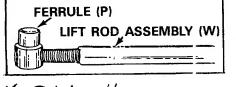


- 13. Remove the engine pulley belt guard by either unscrewing the belt guard release and swinging the engine pulley belt guard out of the way (see figure 7A), or removing the two long hex bolts which act as belt keepers (see figure 7B).
- 14. Place the belt which is preassembled to the carriage bracket assembly around the idle pulley and engine pulley on the tractor.
- 15. Reassemble the round belt guard and hairpin cotter. Reassemble the engine pulley belt guard(s).

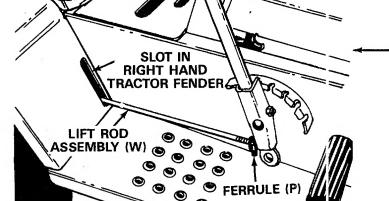
FIGURE 7B



- 16. Place the large compression spring (U) over the slotted end of lift rod assembly (W).
- 17. Place slotted end of lift rod (with spring attached) over the rod on right hand side of tiller as shown in figure 8. Secure with flat washe (B) and hairpin cotter (J).
- 18. Using a 3/4" or adjustable wrench, tighten the hex nut which is on the lift rod assembly until the spring is compressed to 11" long (pages of this manual are 11" long). See figure 8.

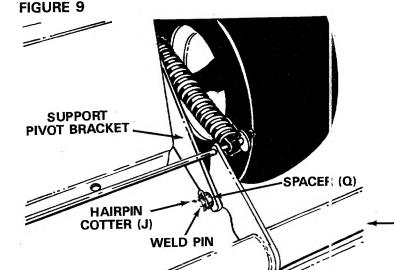


- Thread adjustment ferrule (P) on other end of lift rod assembly a few turns. See figure 9, inset.
- 20. Place the tiller in position behind the tractor. Slide the tiller forward so the lift rod assembly and ferrule go through the slot in the right hand fender on the tractor. See figure 9.

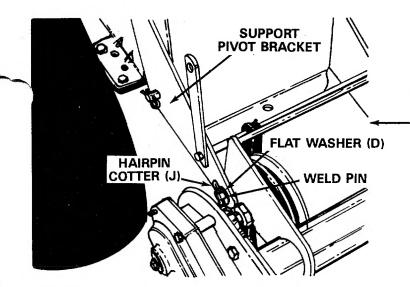




On models prior to 1984, it is necessary to extend the slot in the fender approximately 1-1/2" further down toward the running board. The slot should measure approximately 4-3/8".

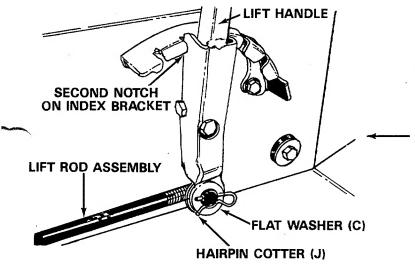


- 21. There are two weld pins on the front of the tiller. Push the tiller forward, then to the left so the weld pins go through the bottom hole in the pivot support brackets. See figures 10 and 11.
- 22. Secure the weld pin on the right hand side of tiller using spacer (Q) and hairpin cotter (J). See figure 10.



 Secure the weld pin on the left hand side of tiller using one flat washer (D) and hairpin cotter (J).
 See figure 11.

FIGURE 11

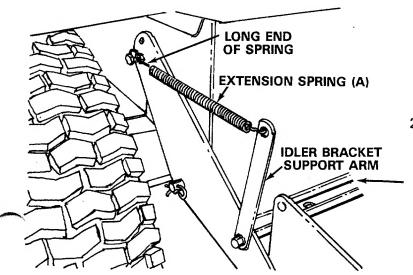


- 24. Move the lift lever on the tractor to the second notch on the index bracket as shown in figure 12.
- 25. Place a board under the tines. Thread the assembly until it lines up with the bottom hole in the lift handle. Secure ferrule to lift handle using flat washer (C) and hairpin cotter (J). See figure 12.



Refer to operation section for additional adjustment information.

FIGURE 12



26. Hook the short end of extension spring (A) to the idler bracket support arm on the left side of unit. Hook the longer end of spring to the hex bolt on support pivot bracket which was assembled in step 7. See figure 13.

FIGURE 13

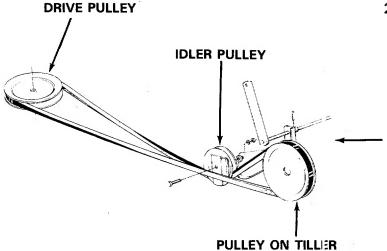
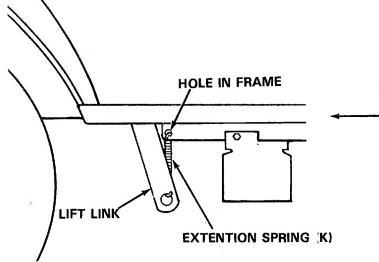


FIGURE 14



- 27. Assemble the belt as follows (refer to figure 14).
 - A. Belt is attached to the idler pulley assembly. Back of the belt (flat side) goes against the idler pulley.
 - B. Slip belt up and over pulley on tiller ("V" side of belt goes against the pulley).
 - C. Twist the belt 90° to the right as shown in figure 14. Slip the belt around the drive pulley on the tractor.



The tines on the tiller are designed to rotate in the opposite of the wheels on the tractor. If they rotate in same direction as the wheels, the belt is twisted in the wrong direction. Unhook the belt from the drive pulley and twist in the opposite direction.

28. If there are holes provided in the tractor frame, hook the lift links up out of the way using the four extension springs (K). See figure 15.

FIGURE 15

OPERATION

CONTROLS

ft Lever

ne lift lever which is used to raise and lower the tiller and provide tilling depth adjustment is located on the right hand side of the tractor. To raise the tiller, pull back on the lift lever. To transport the tiller, place lift lever in the highest position.

P.T.O. Lever

The P.T.O. lever is located on the right hand side of the tractor. The tines are engaged by lifting the P.T.O. lever to the "Engaged" position. Lower the P.T.O. lever to the "Disengaged" position to stop the tine rotation.

HOW TO USE YOUR TILLER

When tilling sod or soil which has not been tilled before, select a shallow tilling depth with the lift lever, and use a slow ground speed. For further depth, lower the lift lever and make several more passes over the area, each time tilling at right angles to the previous pass. See figure 16.

hen tilling loose soil, use a higher ground speed. se the highest ground speed for pulverizing the soil or for transporting the tiller.

For best results, always till the ground at least twice (lengthwise, then widthwise) as shown in figure 16.

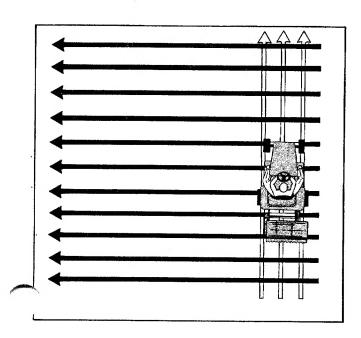


FIGURE 16

ADJUSTMENT FERRULE

The adjustment ferrule on the lift rod assembly provides additional tilling depth adjustment. Recommended adjustment is as follows.

- 1. Place lift lever in second position.
- 2. Place a board under the tines and adjust the ferrule to fit into lift lever.

This adjustment provides approximately 3" ground clearance with the lift lever in the highest position (for transport).

Move the ferrule further back on the rod to reduce the tilling depth.

MAINTENANCE

CHAIN CASE LUBRICATION

The chain case is sealed at the factory and does not require checking or changing. If the chain case is disassembled for repair, replace the grease with 20 ounces of plastilube "O" grade grease (part number 737-0133, 14 ounce container).

BEARING CUP

At least once a season, remove the bearing cup on the right hand side of tiller housing. See figure 17. Clean and refill with 2 ounces of plastilube "O" grade grease (part number 737-0133).

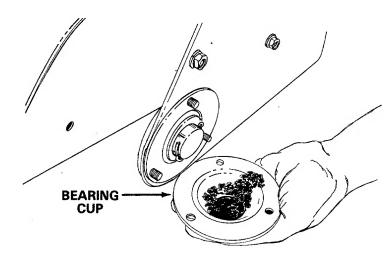
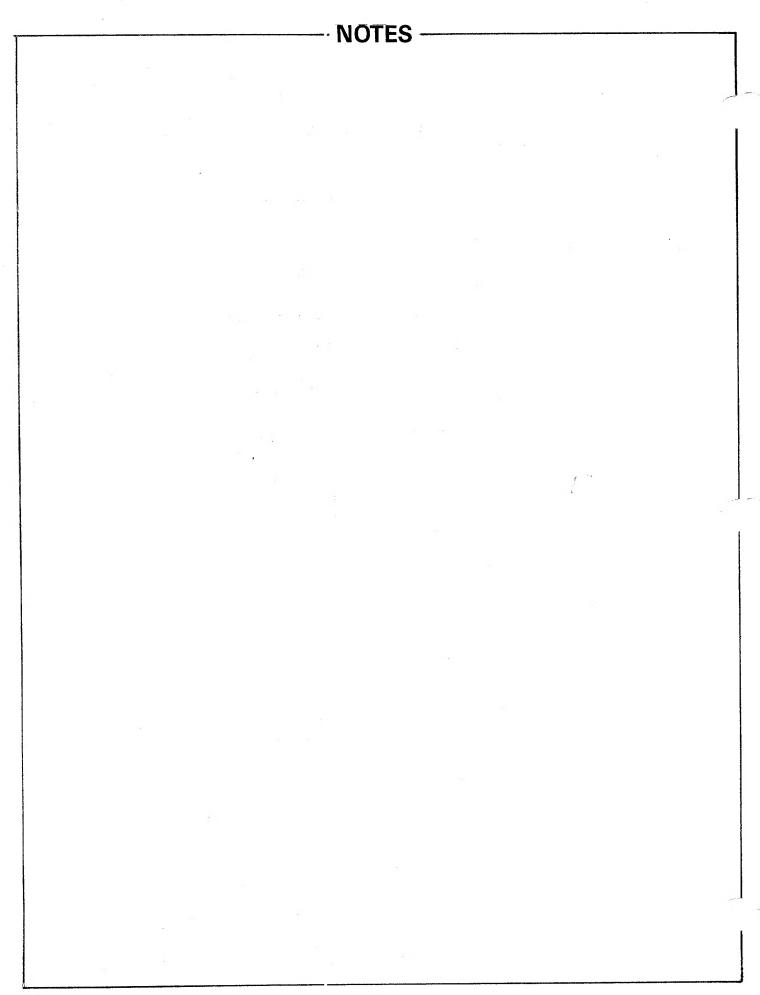
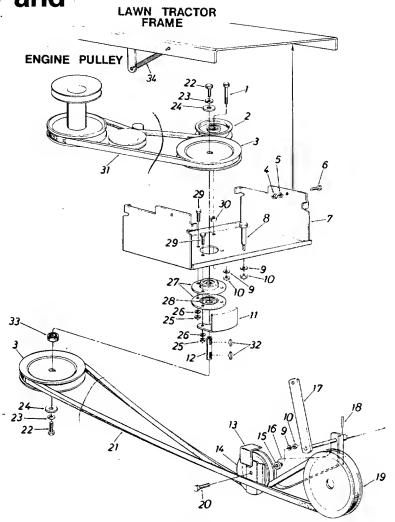


FIGURE 17

LIMITED TORQUE PULLEY

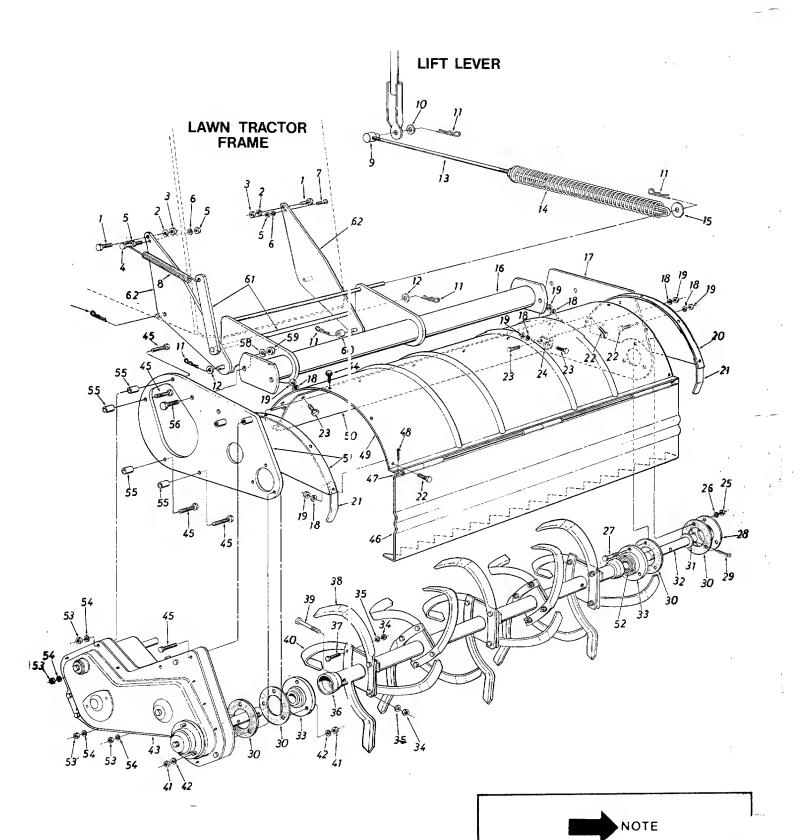
If the limited torque clutch is disassembled for any reason, reassemble as shown in page 14. Using a torque wrench, tighten the first hex jam nut to 350 in. lbs., then lock it in place with the second hex jam nut.





PARTS LIST FOR MODEL 746 28" TILLER ATTACHMENT

710-0427 756-0405 756-0438	Hex Bolt 3/8-16 x 2.00" Lg.* FlIdler w/Flanges 3-3/4" O.D.		18 19		Spring Pin Roll 3/16" Dia.	
	FlIdler w/Flanges 3-3/4"		19			1 :
	_			756-0439	5/8" V-pulley 1.50" I.D. x	
756-0438	0.0				6.50" O.D.	
756-0438			20	710-0347	Hex Bolt 3/8-16 x 1.75"	
700 0 -1 00	5/8" "V" -Pulley .790" I.D.				Lg.*	
	x .650" O.D.		21	754-0283A	"V" -Belt	N
712-0241	Hex Nut 3/8-24 Thd.*		22	710-0371	Hex Bolt 5/16-18 x .88" Lg.	
736-0217	LWash. 3/8" I.D. Heavy				Spec.	
	Duty		23	736-0119	LWash 5/16" I.D.*	
710-0696	Hex Bolt 3/8-24 x .88" Lg.*		24	736-0231	FlWash344" I.D. x 1.125"	
784-0054A	Carriage Bracket	N		712-0267	Hex Nut 5/16-18 Thd.*	
738-0533	Shoulder Bolt .498" Dia.		_		LWash. 5/16" I.D.*	j
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			34	732-0611	Extension Spring	
784-0073	Idler Bracket Support Ass'y.					
	736-0217 710-0696 784-0054A	x .650" O.D. 712-0241 736-0217 Hex Nut 3/8-24 Thd.* LWash. 3/8" I.D. Heavy Duty Hex Bolt 3/8-24 x .88" Lg.* Carriage Bracket Shoulder Bolt .498" Dia. 736-0169 712-0798 05406 738-0789 756-0433 736-0235 784-0071 Vx .650" O.D. Hex Nut 3/8-24 x .88" Lg.* Carriage Bracket Shoulder Bolt .498" Dia. LWash. 3/8" I.D.* Hex Nut 3/8-16 Thd.* Belt Guard Shaft .787" Dia. x 3.21" Lg. Belt Separator Plate FlIdler w/Flanges 3.25" FlWash406" I.D. x 1.25" Idler Bracket Ass'y.	x .650" O.D. Hex Nut 3/8-24 Thd.* L-Wash. 3/8" I.D. Heavy Duty Hex Bolt 3/8-24 x .88" Lg.* Carriage Bracket Shoulder Bolt .498" Dia. L-Wash. 3/8" I.D.* Hex Nut 3/8-16 Thd.* Belt Guard Shaft .787" Dia. x 3.21" Lg. Belt Separator Plate FIIdler w/Flanges 3.25" FI-Wash406" I.D. x 1.25" Idler Bracket Ass'y.	x .650" O.D. 712-0241 Hex Nut 3/8-24 Thd.* L-Wash. 3/8" I.D. Heavy Duty Hex Bolt 3/8-24 x .88" Lg.* 736-0540 Carriage Bracket Shoulder Bolt .498" Dia. L-Wash. 3/8" I.D.* Hex Nut 3/8-16 Thd.* Belt Guard 738-0789 Shaft .787" Dia. x 3.21" Lg. Belt Separator Plate 756-0433 FlIdler w/Flanges 3.25" 784-0071 Idler Bracket Ass'y.	756-0438 5/8" "V" -Pulley .790" I.D. x .650" O.D. 21 754-0283A 712-0241 Hex Nut 3/8-24 Thd.* LWash. 3/8" I.D. Heavy Duty 22 710-0371 710-0696 Hex Bolt 3/8-24 x .88" Lg.* Carriage Bracket N 23 736-0119 738-0533 Carriage Bracket Shoulder Bolt .498" Dia. N 25 712-0267 736-0119 27 08253B 736-0119 27 08253B 712-0798 Hex Nut 3/8-16 Thd.* 29 719-0198 05406 Shaft .787" Dia. x 3.21" Lg. 30 750-0497 784-0070 Belt Separator Plate FlIdler w/Flanges 3.25" FlWash406" I.D. x 1.25" 32 714-0161 756-0433 FlWash406" I.D. x 1.25" 33 750-0763 784-0071 Idler Bracket Ass'y. 34 732-0611	756-0438



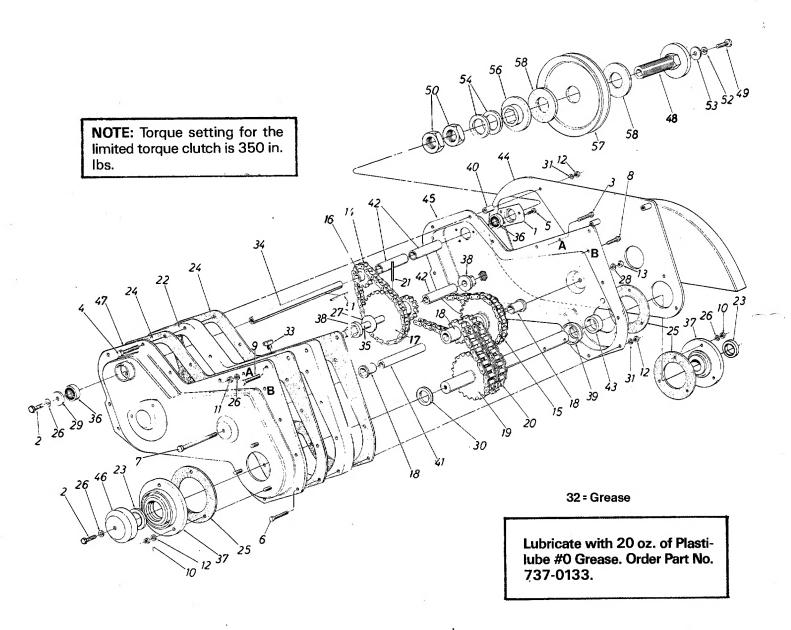
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Specifications subject to change without notice or obligation.

PARTS LIST FOR MODEL 746 28" TILLER ATTACHMENT

	PARTS LIST FOR MODEL 746 28" TILLER ATTACHMENT							
REF. NO.	PART NO.	DESCRIPTION	NEW PART	REF. NO.	PART NO.	DESCRIPTION	NEW PART	
1	710-0696	Hex Bolt 3/8-24 x .88" Lg.*		31	736-0246	FlWash. 1.25" I.D. x 2.00"		
2	736-0217	LWash. 3/8" I.D. Heavy				O.D. x .06		
		Duty		32	738-0630	Tine Shaft R.D. 1.25" Dia. x		
.3	712-0241	Hex Nut 3/8-24 Thd.*				6.25" Lg.		
4	710-0624	Hex Bolt 5/16-24 x 1.50"		33	741-0417	Bearing Housing w/Bearing		
_	740 0400	Lg.*		34	712-0241	Hex Nut 3/8-24 Thd.*		
5	712-0123	Hex Nut 5/16-24 Thd.*		35	736-0217	LWash. 3/8" I.D. Heavy		
6	736-0119 710-0117	LWash. 5/16" I.D.* Hex Bolt 5/16-24 x 1.00"		36	784-0107	Duty		
'	/10-011/	Lg.*		37	710-0459	Tine Adapter Ass'y. Hex Bolt 3/8-24 x 1.50"		
8	732-0185	Extension Spring .56" O.D.		31	710-0459	Lg.*		
"	752 0103	x 7.75" Lg.		38	742-0243	Tine 14" x 5/16"		
9	711-0770	Adjustment Ferrule 1/2-13		39	710-0331	Hex Bolt 3/8-24 x 2.25"		
	1 , 1 , 0 , , 0	Thd.			, 10 0001	Lg.*		
10	736-0187	FlWash640" I.D. x 1.24"		40	742-0244	Tine 14" x 5/16"		
İ		O.D. x .060		41	712-0158	Hex Cent. LNut 5/16-18		
11	714-0145	Intern. Cotter Pin 1/2" Dia.				Thd.		
12	736-0272	FlWash510" I.D. x 1.0"		42	736-0119	LWash. 5/16" I.D.*		
		O.D. x .060		43	884-0061-5	Chain Case Ass'y. Comp.		
13	784-0050	Lift Rod Ass'y. 39.0" Lg.		44	710-0604	Hex Wash. TT Tap. Scr.		
14	732-0460	Compression Spring 1.50"				5/16-18 x .62" Lg.		
1		O.D. x 15.0" Lg.		45	710-0564	Hex Bolt 1/4-20 x 2.75"		
15	736-0208	FlWash51" l.D. x 1.50"		4.0	704 0070	Lg.*		
1.10	704 0000	O.D. x .075		46	784-0076	Tine Shield - Hinge Flap		
16 17	784-0063 784-0056	Pivot Bracket Assembly Tiller Housing Plate- R.H.		47	747-0479	Ass'y, 30"		
18	736-0119	LWash. 5/16" I.D.*		4/	747-0479	Tiller Flap Rod 1/4" Dia. x 29.7" Lg.		
19	712-0123	Hex Nut 5/16-24 Thd.*		48	714-0115	Cotter Pin 1/8" Dia. x 1.00		
20	784-0058	End Cover - Tine Shield -		10	714 0110	Lg.*		
	70,000	R.H.		49	784-0074	Tine Shield Ass'y. 30" Lg.		
21	784-0069	Tine Shield Hinge Flap		50	784-0060	Reinforcement Brk't-Tine		
		Support	,			Shield		
22	710-0157	Hex Bolt 5/16-24 x .75"		51	- 784-0055	Tiller Housing Plate Ass'y.		
		Lg.*		-52	721-0192	Oil Seal Double Lip- 1-1/4"		
23	710-0237	Hex Bolt 5/16-24 x .62"				Shaft		
		Lg.*		53	712-0287	Hex Nut 1/4-20 Thd.*		
24	12541	Chute Pivot Bracket		54	736-0329	LWash. 1/4" I.D.*		
25	712-0158	Hex Cent. L-Nut 5/16-18		55	750-0599	Spacer .28" I.D. x .62" O.D.		
	700 0440	Thd.			740.0500	x .90 " Lg.		
26	736-0119	LWash. 5/16" I.D.*		.56	710-0592	Hex Bolt 1/2-13 x 1.00" Lg.*		
27	710-0376	Hex Bolt 5/16-18 x 1.0" Lg.		58	736-0921	LWash. 1/2" I.D.*		
28	784-0068	(Grade 5) Grease Housing Cup		59 60	712-0206 711-0212	Hex Nut 1/2-13 Thd.* Spacer .50" I.D. x 1.00"		
29	714-0470	Cotter Pin 1/8" Dia. x 1.25"		00	711-0212	O.D. x .50" Lg.		
23	717-0470	Lg.*		61	784-0073	Idler Bracket Support Arm		
30	721-0133	Gasket for Brg. Housing		٠.	704 0070	Ass'y		
				62	784-0064B		N	

For faster service obtain standard nuts, bolts and washers locally. If these items cannot be obtained locally, order part number and size as shown on parts list.



PARTS LIST FOR CHAIN CASE ASSEMBLY COMPLETE 884-0061-5

		PARTS LIST FOR CHAIN CASE ASSEMBLY COMPLETE 884-9081-9						
1 05034 Bearing Housing 1-3/8" Dia. Hex Bolt 5/16-18 x .88" Lg. Spec. Hex Bolt 5/16-18 x .88" Lg. Spec. Hex Bolt 1/4-20 x 2.75" Lg.* 170-0564 Hex Bolt 1/4-20 x 1.50" Lg. 174-20 x .50" Lg. 17	REF.	PART NO.	DESCRIPTION			PART NO.	DESCRIPTION	NEW PART
2 710-0371 Hex Bolt 5/16-18 x .88" Lg. Spec. 3 710-0442 Hex Bolt 5/16-18 x 1.50" Lg.* 4 710-0564 Hex Bolt 1/4-20 x 2.75" Lg.* 5 710-0599 Hex Wash. S. Tap. Scr. 1/4-20 x .50" Lg.* 6 710-0606 Hex Wash. S. Tap. Scr. 1/4-20 x .50" Lg.* 7 710-0693 Hex Wash. H. Bolt 1/4-20 x .150" Lg.* 9 710-0798 Hex Wash. H. Bolt 1/4-20 x .15" Lg. Hex Wash. H. Bolt 1/4-20 x .75" Lg. Sprocket Shaft .63" Dia. x 5.0" Lg. Hex Wash. T. Tap Scr. 5/16-18 x 1.75" Lg. 36 741-0155 Ball Brg62" I.D. x 1.38" OD. x 1.5" Lg. Hex Cent. L.Nut 5/16-18 Thd.* 11 712-0267 Hex Nut 1/4-20 Thd.* 12 712-0287 Hex Nut 1/4-20 Thd.* 13 713-0362 Hex Nut 3/8-16 Thd.* 14 713-0131 Hex Chain 1/2" Pitch x 34 Links - Endless Sprocket 10 Tooth .500" Pitch 10 & 28 Teeth Sprocket Ass'y. 8-2 & 28 Sprocket Shaft Ass'y. 750-0601 Spacer .28" I.D. x .62" O.D. x 1.56" Lg. 95 Procket Shaft Ass'y. 750-0601 Spacer .28" I.D. x .62" O.D. x 1.56" Lg. 10 X .62" O.D. x		05034	Bearing Housing 1-3/8" Dia.		29	736-0231		
Spec. 3 710-0442 Hex Bolt 5/16-18 x 1.50" Lg.* 4 710-0564 Hex Bolt 1/4-20 x 2.75" Lg.* 5 710-0599 Hex Wash. 5 Tap. Scr. 1/4-20 x 5.0" Lg. 6 710-0606 Hex Bolt 1/4-20 x 1.50" Lg.* 7 710-0693 Hex Bolt 3/8-16 x 4.5" Lg. Hex Wash. Hd. Bolt 1/4-20 x 1.50" Lg.* 9 710-0909 Hex Wash. Hd. Bolt 1/4-20 x 1.50" Lg. Sprocket 5/16-18 x 1.75" Lg. Hex Wash. Hd. Bolt 1/4-20 x 1.50" Lg. Sprocket 5/16-18 x 1.75" Lg. Hex Wash. Hd. Bolt 1/4-20 x 1.50" Lg. Sprocket 5/16-18 x 1.75" Lg. Hex Wash. Hd. Bolt 1/4-20 x 1.50" Lg. Sprocket 5/16-18 x 1.75" Lg. Hex Wash. Hd. Bolt 1/4-20 x 1.50" Lg. Sprocket 5/16-18 x 1.75" Lg. Hex Wash. TT Tap Scr. 5/16-18 x 1.75" Lg. Hex Cent. LNut 5/16-18 Thd. Hex Nut 1/4-20 Thd.* 11 712-0267 Hex Nut 5/16-18 Thd.* 12 712-0798 Hex Nut 1/4-20 Thd.* 13 712-0798 Hex Nut 1/4-20 Thd.* 14 713-0131 Hat Chain 1/2" Pitch x 34 Links - Endless Sprocket 10 Tooth .500" Pitch 10 & 28 Tendless Sprocket 10 Tooth .500" Pitch 10 & 28 Tendless Sprocket 10 Tooth .500" Ass'y. B-2 & 28 Sprocket Sleeve Ass'y. Hex Bolt 5/16-18 x 1.50" Lg. Spacer 1.25" I.D. x 1.62" O.D. x 1.50" Lg. Spacer .28" I.D. x 1.62" O.D. x 1.50" Lg. Lwash. 5/16" I.D.* 1.50" Lg. Lwash. 5/16" I.D.* 1.50" Lg. Spacer .28" I.D. x 1.50" Lg.							1.125" O.D.	
3 710-0442	~	710 0071			30	736-0368		
Lg.* Hex Bolt 1/4-20 x 2.75" Lg.* Hex Bolt 1/4-20 x 1.50" Lg. To 710-0693 Hex Bolt 3/8-16 x 4.5" Lg. Hex Wash. S- Tap. Scr. 1/4-20 x 5.0" Lg. To 710-0693 Hex Bolt 1/4-20 x 1.50" Lg.* Hex Bol	.2	710-0442				736-0329	LWash. 1/4" I.D.*	
Hex Bolt 1/4-20 x 2.75" Lg.*	٦	710-04-72			32	737-0133	Grease - Plastilube #0	
Lg.* Hex Wash. S- Tap. Scr. 1/4-20 x .50" Lg. Hex Bolt 1/4-20 x 1.50" Lg.* Hex Bolt 1/4-20 x 1.50" Lg.* Hex Bolt 3/8-16 x 4.5" Lg. Hex Wash. Hd. Bolt 1/4-20 x 1.5" Lg. Hex Wash. T. Tap Scr. 5/16-18 x 1.75" Lg. Hex Nut 5/16-18 Thd.* Hex Nut 5/16-18 Thd.* Hex Nut 1/4-20 Thd.* Hex Nut 1/4-20 Thd.* Hex Nut 3/8-16 Thd.* Hex Nut	1	710-0564	Hey Bolt 1/4-20 x 2.75"				(Not Shown)	
10	+	710-030-			33	737-0175	Vent Plug	
1/4-20 x .50" [g. Hex Bolt 1/4-20 x .150" [g. Hex Bolt 1/4-20 x .150" [g. Arrival for the state of th	_	710 0500						
6 710-0606) 3	710-0555					7.78" Lg.	
10		710 0606			35	738-0594		
Topology Hex Bolt 3/8-16 x 4.5" Lg. Hex Wash. Hd. Bolt 1/4-20 x x 1.5" Lg. Hex Wash. TT Tap Scr. 5/16-18 x 1.75" Lg. Hex Cent. LNut 5/16-18 Thd. Hex Nut 5/16-18 Thd. Hex Nut 5/16-18 Thd. Hex Nut 5/16-18 Thd. Hex Nut 1/4-20 Thd. Hex Nut 1/4-20 Thd. Hex Nut 3/8-16 Thd. Hex Flange Brg. Spacer 1.25" I.D. x 2.0" O.D. x .90" I.g. Spacer .28" I.D. x 2.0" O.D. x .90" I.g. Spacer .28" I.D. x 62" O.D. x .90" I.g. Spacer .28" I.D. x 62" O.D. x .90" I.g. Spacer .28" I.D. x 1.62" O.D. x .90" I.g. Spacer .28" I.D. x 1.62" O.D. x .90" I.g. Spacer .28" I.D. x 1.62" O.D. x .90" I.g. Spacer .28" I.D. x 1.62" O.D. x .90" I.g. Spacer .28" I.D. x 1.62" O.D. x .90" I.g. Spacer .28" I.D. x 1.62" O.D. x .90" I.g. Spacer .28" I.D. x 1.62" O.D. x .90" I.g. Spacer .28" I.D. x 1.62" O.D. x .90" I.g. Spacer .28" I.D. x 1.62" O.D. x .90" I.g. Spacer .28" I.D. x 1.62" O.D. x .90" I.g. Spacer .28" I.D. x 1.62" O.D. x .90" I.g. Tiller Housing Ass'y. I.g. Itler Housing Ass'y. I.g. Irler Housing Ass'y. Irler Housing A	0	710-0000				, , ,		
No. 10-0778	١ ,	710 0602			36	741-0155		ĺ
x 1.5" Lg. x 1.5" Lg. y 710-0909 x 1.5" Lg. x 1.5" Lg. y 741-0417 x 748-0229 y 750-0563 x 1.5" Lg. y 750-0563 y 750-0569 x 1.5" Lg. x 1.5" Lg. y 750-0569 x 1.5" Lg. x 2.0" O.D. x 3.44" Lg. x 2.0" O.D. x 3.44" Lg. x 1.5" Lg. x 2.0" O.D. x 3.44" Lg. x 1.56" Lg.						7		
9 710-0909 10 712-0158 Hex Wash. TT -Tap Scr. 5/16-18 x 1.75" Lg. Hex Cent. LNut 5/16-18 Thd. 11 712-0267 Hex Nut 5/16-18 Thd. 12 712-0287 Hex Nut 5/16-18 Thd.* Hex Nut 1/4-20 Thd.* Hex Nut 1/4-20 Thd.* Hex Nut 3/8-16 Thd.* Hex Nut 3/8-16 Thd.* Hex Nut 1/2" Pitch x 34 Links - Endless Sprocket 10 Tooth .500" Pitch 17 713-0341 18 713-0342 18 713-0342 19 713-0344 10 & 28 Teeth Sprocket Ass'y. 19 713-0342 20 713-0344 21 715-0114 22 717-0811 23 721-0192 01 Seal Double Lip-1-1/4" Dia. x 1.50" Lg. Spacer Block - Tiller Housing Gasket for BrgHousing 1Wash. 5/16" I.D.* 17 736-0187 18 736-0217 19 736-0217 10 Hex Wash. TT -Tap Scr. 5/16-18 x 1.75" Lg. Spacer 1.25" I.D. x 2.0" O.D. x .90" Lg. Spacer .28" I.D. x .62" O.D. x .90" Lg. Spacer .62" I.D. x .88" O.D. x 1.56" Lg. Spacer 1.25" I.D. x 1.62" O.D. x .50" Lg. Tiller Housing Ass'y. Hex Bolt 5/16-18 x 1.25" Lg. Grade 5 Hex Jam Nut 1.0-14 x 28 Thd. Sq. Key 3/16 x 1.50" Lg. Spacer 1.25" I.D. x 1.24" O.D. x 1.0" I.D. x 2.0" O.D. Spring Bell Wash. 1.0" I.D. x 2.0" O.D. Spring Bell Wash. 1.0" I.D. x 2.0" O.D. x 2.0" O.D. x 2.0" O.D. Spring Bell Wash. 1.0" I.D. x 2.0" O.D. Spring Bell Wash. 1.0" I.D. x 2.0" O.D. Spring Bell Wash. 1.0" I.D. x 2.0" O.D. Spring Bell Wash. 1.0" I.D. x 2.0" O.D. x	B	/10-0//8			37	741-0417		1
10 712-0158 Hex Cent. L-Nut 5/16-18 Thd. Hex Nut 5/16-18 Thd. Hex Nut 1/4-20 Thd.* Hex Nut 1/2" Pitch x 34 Links - Endless Hardless Links - Endless Hardless Sprocket 10 Tooth .500" Pitch 10 & 28 Teeth Sprocket Ass'y. Hex Potential Residual Resi		710 0000						
10	9	710-0909					Spacer 1.25" I.D. x 2.0"	
Thd. hd.	1	740 0150		l	55	700 0000		
11	10	/12-0158			40	750-0599		
12 712-0287 Hex Nut 1/4-20 Thd.* Hex Nut 3/8-16 Thd.* Hex Nut 1/4-20 Thd.* Hex Nut 1/4-20 Thd.* Hex Nut 3/8-16 Thd.* Hex Nut 3/8-16 Thd.* Hex Nut 3/8-16 Thd.* Hex Nut 1/4-20 Thd.* Hex	1	-10 0007			~	, 50 0000		
13 712-0798 Hex Nut 3/8-16 Thd.* 14 713-0131 Hex Nut 3/8-16 Thd.* 15 713-0186 #42 Chain 1/2" Pitch x 48 Links - Endless 16 713-0206 Sprocket 10 Tooth .500" Pitch 17 713-0341 10 & 28 Teeth Sprocket 18 713-0342 8-2 & 28 Sprocket Sleeve Ass'y. 19 713-0362 20 713-0344 #50-2 Chain 5/8" Pitch x 28 Links - Endless 21 715-0114 Spring Pin Spir. 1/4" Dia. x 1.50" Lg. 22 717-0811 Spacer Block - Tiller Housing 23 721-0192 Casket for Tiller Housing 24 721-0132 Casket for BrgHousing 25 736-0119 27 736-0187 28 736-0217 LWash. 3/8" I.D. Heavy 18 713-0362 Rex Nut 3/8-16 Thd.* 41 Chain 1/2" Pitch x 34 Links - Endless 42 750-0601 X 3.44" Lg. Spacer 6.2" I.D. x 1.62" 750-0636 Spacer 1.25" I.D. x 1.62" 784-0067 Tiller Housing Ass'y. 45 784-0061 Tiller Housing Ass'y. 784-0077 Hex Bolt 5/16-18 x 1.25" 15 713-0344 #50-2 Chain 5/8" Pitch x 28 Links - Endless 713-0344 #50-2 Chain 5/8" Pitch x 28 Links - Endless 713-0344 #50-2 Chain 5/8" Pitch x 28 Links - Endless 713-0344 #50-2 Chain 5/8" Pitch x 28 Links - Endless 713-0344 #50-2 Chain 5/8" Pitch x 28 Links - Endless 713-0344 #50-2 Chain 5/8" Pitch x 28 Links - Endless 713-0344 #50-2 Chain 5/8" Pitch x 28 Links - Endless 713-0344 #50-2 Chain 5/8" Pitch x 28 Links - Endless 713-0345 #50-2 Chain 5/8" Pitch x 28 Links - Endless 713-0346 #50-2 Chain 5/8" Pitch x 28 Links - Endless 713-0346 #50-2 Chain 5/8" Pitch x 28 Links - Endless 713-0346 #50-2 Chain 5/8" Pitch x 28 Links - Endless 713-0346 #50-2 Chain 5/8" Pitch x 28 Links - Endless 713-0346 #50-2 Chain 5/8" Pitch x 28 Links - Endless 713-0346 #50-2 Chain 5/8" Pitch x 28 Links - Endless 713-0346 #50-2 Chain 5/8" Pitch					1.11	750-0600	Spacer .38" I.D. x .62" O.D.	1
14 713-0131	9 -			į	+	750-0000		1
Links - Endless #42 Chain 1/2" Pitch x 48 Links - Endless #42 Chain 1/2" Pitch x 48 Links - Endless Sprocket 10 Tooth .500" Pitch 17 713-0341					12	750-0601		i
15 713-0186 #42 Chain 1/2" Pitch x 48 Links - Endless Links - Endless Sprocket 10 Tooth .500" Pitch 17 713-0341 10 & 28 Teeth Sprocket Ass'y. 44 784-0055 Tiller Housing Plate Ass'y. L.H. Tiller Housing Ass'y. Dust Cap .320" Dia. Hole Tiller Housing Ass'y. Dust Cap .320" Dia. Hole Tiller Housing Ass'y. Dust Cap .320" Dia. Hole Tiller Housing Ass'y. Hex Bolt 5/16-18 x 1.25" Lg. Grade 5 Hex Jam Nut 1.0-14 x 28 Thd. Sq. Key 3/16 x 1.50" Lg. Spacer Block - Tiller Housing Tiller Housing Ass'y. Tiller Housing Ass'y. Hex Bolt 5/16-18 x 1.25" Lg. Grade 5 Hex Jam Nut 1.0-14 x 28 Thd. Sq. Key 3/16 x 1.50" Lg. L-Wash. 5/16" I.D.* Tiller Housing Tiller Housing Ass'y. Tiller Ho	114	713-0131			42	/50-0001		
Links - Endless Sprocket 10 Tooth .500" Pitch 17 713-0341					12	750-0636	Spacer 1 25" LD. x 1.62"	
16 713-0206 Sprocket 10 Tooth .500" Pitch 17 713-0341 10 & 28 Teeth Sprocket Ass'y. 18 713-0342 8-2 & 28 Sprocket Sleeve Ass'y. 18-2 Sprocket Shaft Ass'y. 20 713-0344 715-0115 715-0114 715-0115	լ 15	713-0186		ľ	43	750-0000		
17 713-0341 10 & 28 Teeth Sprocket Ass'y. 8-2 & 28 Sprocket Sleeve Ass'y. 19 713-0362 18-2 Sprocket Shaft Ass'y. 48 15727 49 710-0573 18-2 Spring Pin Spir. 1/4" Dia. x 1.50" Lg. Spacer Block - Tiller Housing Spring Pin Spir. 1/4" Dia. x 1.50" Lg. Spacer Block - Tiller Housing Spring Pin Spir. 1/4" Dia. x 1.50" Lg. Spacer Block - Tiller Housing Spring Bell Wash. 1.0" l.D. x 2.0" O.D. Spring Dias Spring Dias Spring Bell Wash. 1.0" l.D. x 2.0" O.D. Spring Dias Spring Dias Spring Bell Wash. 1.0" l.D. x	1				144	784-0055		
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Ass'y. 19 713-0342					16	784 0061	l e	1
18 713-0342 8-2 & 28 Sprocket Sleeve Ass'y. 19 713-0362 18-2 Sprocket Shaft Ass'y. 47 784-0077 (48) 15727 (48	.17	713-0341						1
Ass'y. 19 713-0362								1
19 713-0362 20 713-0344	18	713-0342	•	1				
#50-2 Chain 5/8" Pitch x 28 Links - Endless Spring Pin Spir. 1/4" Dia. x 1.50" Lg. Spacer Block - Tiller Housing Oil Seal Double Lip-1-1/4" Dia. Gasket for Tiller Housing Casket for BrgHousing Cas			Ass'y.		•			1
28 Links - Endless Spring Pin Spir. 1/4" Dia. x 1.50" Lg. Spacer Block - Tiller Housing Oil Seal Double Lip-1-1/4" Dia. 271-0132 Casket for Tiller Housing Casket for BrgHousing Casket for I.D.* FlWash. 3/8" I.D. Heavy 28 Links - Endless Thd. Sq. Key 3/16 x 1.50" Lg. L-Wash. 5/16" I.D.* FlWash. 3/4" I.D. x 1.125" O.D. Spring Bell Wash. 1.0" I.D. x 2.0" O.D. Floating Disc 3-1/4" O.D. x 1.0" I.D. 5/8 V-Pulley 1.50" I.D. x 6.50" Friction Pad 3-1/4" O.D. x 1.2" I.D. Friction Pad 3-1/4" O.D. x 1.2" I.D.			18-2 Sprocket Shart Ass y.	Į	49	710-0573		
21 715-0114 Spring Pin Spir. 1/4" Dia. x 1.50" Lg. 22 717-0811 Spacer Block - Tiller Housing Oil Seal Double Lip-1-1/4" Dia. Spring Pin Spir. 1/4" Dia. x 1.50" Lg. 23 721-0192 Oil Seal Double Lip-1-1/4" Dia. Spacer Block - Tiller Housing Oil Seal Double Lip-1-1/4" Dia. Gasket for Tiller Housing Gasket for BrgHousing LWash. 5/16" I.D.* 24 721-0132 Gasket for BrgHousing Gasket for BrgHousing LWash. 5/16" I.D.* 25 736-019 Thd. Sq. Key 3/16 x 1.50" Lg. LWash. 5/16" I.D. x 1.125" O.D. Spring Bell Wash. 1.0" I.D. x 2.0" O.D. Floating Disc 3-1/4" O.D. x 1.0" I.D. x 1.0" I.D. S/8 V-Pulley 1.50" I.D. x 6.50" Friction Pad 3-1/4" O.D. x 1.29" LD. 28 736-0217 L-Wash. 3/8" I.D. Heavy 58 761-0189 Friction Pad 3-1/4" O.D. x 1.29" LD.	20	713-0344			En	712 0221	Hey Jam Nut 10-14 x 28	
1.50" Lg. 1.50" Lg. Spacer Block - Tiller Housing Oil Seal Double Lip-1-1/4" Dia. Gasket for Tiller Housing Casket for BrgHousing Casket for BrgHo					1 50	/12-0351	•	
22 717-0811 Spacer Block - Tiller Housing Oil Seal Double Lip-1-1/4" Dia. Gasket for Tiller Housing Gasket for BrgHousing LWash. 5/16" I.D.* Floating Disc 3-1/4" O.D. x 2.0" O.D. Spring Bell Wash. 1.0" I.D. x 2.0" O.D. Floating Disc 3-1/4" O.D. x 1.0" I.D. x 1.0" I.D. 57 756-0439 Floating Disc 3-1/4" O.D. x 1.0" I.D. 58 V-Pulley 1.50" I.D. x 6.50" Firiction Pad 3-1/4" O.D. x 1.24" O.D. LWash. 3/8" I.D. Heavy	21	715-0114			E1	714 0122		1
23 721-0192 Housing 53 736-0231 FlWash344" l.D. x 1.125" O.D. Spring Bell Wash. 1.0" l.D. x 2.0" O.D. Spring Bell Wash. 1.0" l.D. x 2.0" O.D. Spring Bell Wash. 1.0" l.D. x 2.0" O.D. Floating Disc 3-1/4" O.D. x 1.0" l.D.				1				
23 721-0192 Oil Seal Double Lip-1-1/4" Dia. 24 721-0132 25 721-0133 26 736-0119 27 736-0187 El-Wash. 5/16" I.D.* Pl-Wash. 5/16" I.D. x 1.24" O.D. 28 736-0217 L-Wash. 3/8" I.D. Heavy Dia. 54 736-0352 Spring Bell Wash. 1.0" I.D. 56 748-0296 Floating Disc 3-1/4" O.D. x 1.0" I.D. 57 756-0439 Floating Disc 3-1/4" O.D. x 6.50" 58 761-0189 Friction Pad 3-1/4" O.D. x 1.24" 59 736-0352 Spring Bell Wash. 1.0" I.D. 70 756-0439 Floating Disc 3-1/4" O.D. x 1.0" I.D. 70 756-0439 Friction Pad 3-1/4" O.D. x 1.24"	22	717-0811						,
Dia. 24 721-0132 25 721-0133 26 736-0119 27 736-0187 Dia. Gasket for Tiller Housing Gasket for BrgHousing LWash. 5/16" I.D.* FlWash640" I.D. x 1.24" O.D. 28 736-0217 LWash. 3/8" I.D. Heavy Dia. 54 736-0352 Spring Bell Wash. 1.0" I.D. x 2.0" O.D. Floating Disc 3-1/4" O.D. x 1.0" I.D. 57 756-0439 Friction Pad 3-1/4" O.D. x 6.50" Friction Pad 3-1/4" O.D. x			Housing		103	/30-0231		
24 721-0132 Gasket for Tiller Housing Gasket for BrgHousing LWash. 5/16" I.D.* Floating Disc 3-1/4" O.D. x 1.0" I.D. 5/8 V-Pulley 1.50" I.D. x 6.50" Friction Pad 3-1/4" O.D. x 1.24" O.D. LWash. 3/8" I.D. Heavy	23	721-0192			EA	726 0252		
24 721-0132 Gasket for filler Hodsing 56 748-0296 Floating Disc 3-1/4" O.D. x 1.0" I.D. x 1.0" I.D. x 1.0" I.D. x 1.0" I.D. x 6.50" 28 736-0217 LWash. 3/8" I.D. Heavy 58 761-0189 Friction Pad 3-1/4" O.D. x 1.24" O.D. x 1.2					1 54	/30-0352		
26 736-0119 LWash. 5/16" I.D.* FlWash640" I.D. x 1.24" O.D. 28 736-0217 LWash. 3/8" I.D. Heavy 58 761-0189 Friction Pad 3-1/4" O.D. x 1.24"						749 0206		
27 736-0119 LWash. 3/10 l.D. x 1.24" 57 756-0439 5/8 V-Pulley 1.50" l.D. x 6.50" 6.50" 58 736-0217 LWash. 3/8" l.D. Heavy 58 761-0189 Friction Pad 3-1/4" O.D. x 1.24" 57 756-0439 5/8 V-Pulley 1.50" l.D. x 1.24" 6.50"			Gasket for BrgHousing		56	748-0296		
27 736-0187 HWash. 3/8" I.D. Heavy 58 761-0189 Friction Pad 3-1/4" O.D. x			LWash. 5/16" I.D.*			756 0420	1	
28 736-0217 LWash. 3/8" I.D. Heavy 58 761-0189 Friction Pad 3-1/4" O.D. x	27	736-0187		1	5/	/50-0439		
26 /30-021/ L-Wash. 5/6 h.b. Hody						761 0190		
Duty 1 -3/0 1.D.	28	736-0217			1 28	/01-0109		
			Duty				1-3/0 1.D.	